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Qin Wu* (qinwu@math.wvu.edu), Department of Mathematics, POBox 6310, West Virginia University, Morgantown, WV 26506, and **Cun-Quan Zhang** and **Eddie Fuller**. *Graph Model for Pattern Recognition in Text*.

In this paper, we propose a novel approach that uses a weighted graph for text pattern recognition. Instead of the traditional model for text classification, we set up a weighted graph model using the distances between the keywords as the weights of edges. And we developed a frequency-distance-based clustering algorithm. One immediate application would be the detection of fraudulent emails as well as the classification of these emails. (Received September 11, 2008)